

FIG. 2 MODULE STATE DATABASE

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			ENTRY	<u> </u>			ENTR	ENTRY 3				
끨	MODULE NO.		GSM .	26			CSM	GRM 28				
MODULE	MODULE TYPE		GROUP ST	NITCH	ITCH CHANNEL SWITCH						GROUP REG.	
2	WYLN CONY.		UNAVAI	LABLE		_	AVAIL	UNAVAILABLE				
PAT	TH NUMBER	P1 P6 — P2 P3 — —			P4	P5						
	PORT NO.	IP1	IP2	IP3	IP4	195	126	IP7	IP8	IP9	IP10	
	PORT GRP NO.	IP	G 1	100	G2				IPG3			
	PORT COST	1	1	1	1	2	2	2	2	1	1	
INPUT PORT	AVAILABLE WAVELENGTH	ARB.	ARB.			λ2	λ1			λ2	λ4	
INPU	AVAILABLE DATA FORMAT	ARB.	ARB.			SONET	SONET			SONET	SONET	
j	MAX. DATA RATE (GBPS)	ARB.	ARB.			2.5	2.5	1		2.5	2.5	
	INTERFACE NO.	IC20	IC22			IC21	IC24		_	IC26	1C27	
	PORT NO.	OP1	OP2	OP3/OP4		OP5	OP6	OP7	OP8	OP9	OP10	
	PORT GRP NO.	OP	OPG1		OPG2		_			OPG3		
	PORT COST	1	1	1	1	2	2	2	2	1	1	
PORT	AVAILABLE WAVELENGTH	DEP.	DEP.		_	ARB.	ARB.			λ2	λ4	
OUTPUT PORT	AVAILABLE DATA FORMAT	DEP.	DEP.			SONET	SONET	1	ı	SONET	SONET	
	MAX. DATA RATE (GBPS)	DEP.	DEP.	_		2.5	2.5			2.5	2.5	
	INTERFACE NO.	OG24	OG22	2 — —		OG23	OG20			OG26	OG27	

LEGEND: ARB. = ARBITRARY

DEP. = DEPENDENT ON INPUT PORT WAVELENGTH, FORMAT AND RATE

FIG. 3
LINK STATE DATABASE

	<u></u>	1	ı	T				ı	1		_	_
ENTRY m												
								•				
ENTRY 4	NODE-1	NODE-3	0C12	132		귝		133	у3	SONET	NO GBPS	P6
ENTRY 3	NODE-1	NODE-3	0010	C30		4		11	11	SONET	10 G8PS	P1
ENTRY 2	NODE-1	NODE-2	0612	IC22	1		1,3			SONET	10 GBPS	P6
ENTRY 1	NODE-1	NODE-2	0010	IC20	1		1,1			SONET	10 GBPS	Ы
FIELD	TRANSMIT NODE ADDRESS	RECEIVE NODE ADDRESS	OUTGOING IF NUMBER	INCOMING IF NUMBER	LINK COST	CHANNEL COST	WAVELENGTH	INCOMING WAVELENGTH	OUTGOING WAVELENGTH	DATA FORMAT	MAXIMUM DATA RATE	PATH NUMBER

FIG. 4

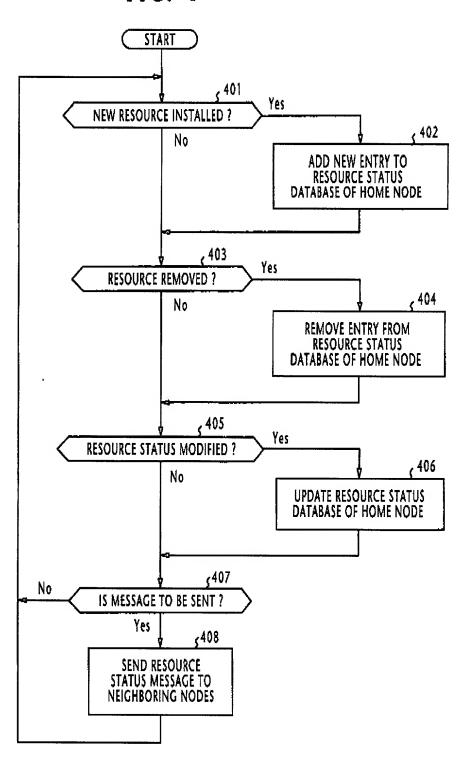
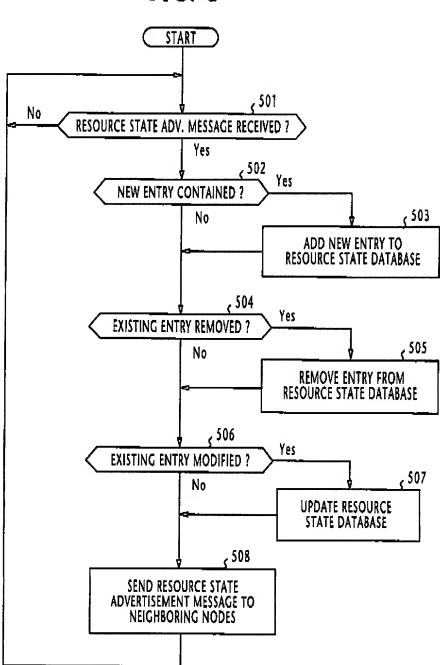
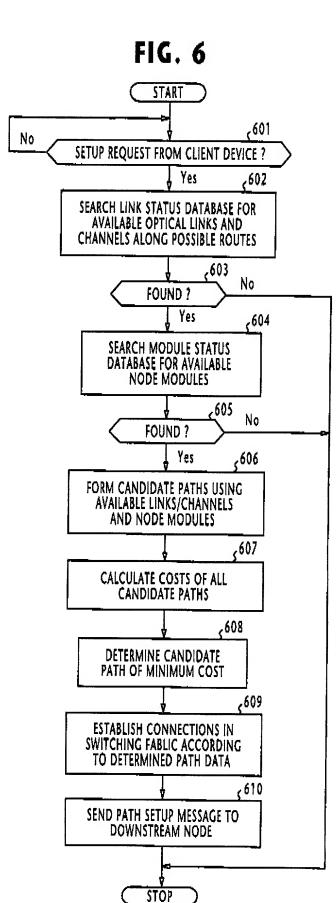


FIG. 5







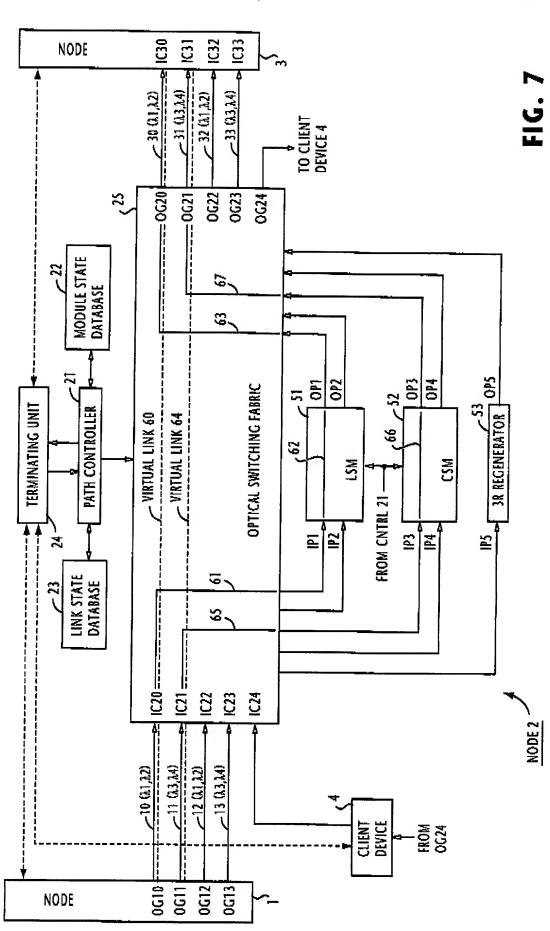


FIG. 8
MODULE STATE DATABASE

			ENT	RY 1		ENT	TRY 2	ENTRY 3			
OUTPUT PORT INPUT PORT MODULE	MODULE NO.		LSN	4 51		CS	M 52	CRM 53			
	MODULE TYPE	(GROUP	SWITC	Н	CHANNE	L SWITCH	CHANNEL REG.			
	WVLN CONV.		UNAVA	VILABLE		AVA	ILABLE	UNAVAILABLE			
PATH NUMBER		P1	P2	P3	P4	P5	P6				
	PORT NO.	IP	1			193					
	PORT COST	1				2					
ORT	AVAILABLE WAVELENGTH	λ1, λ2				λ3					
NPUT P	AVAILABLE DATA FORMAT	SONET				SONET					
	MAX. DATA RATE (GBPS)	2.5				2.5					
	INTERFACE NO.	IÇ2	0.			IC21					
	PORT NO.	OP1		****		OP3		-			
	PORT COST	1				2					
TPUT PORT	AVAILABLE WAVELENGTH	λ1, λ2				λ3					
	AVAILABLE DATA FORMAT	SONET				SONET		-			
ช	MAX. DATA RATE (GBPS)	2.	5			2.5					
	INTERFAÇE NO.	OG:	20			0G21					

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ENTRY n																
	1 1	: 1 1 1		3 6 4					*		1		1			1 1 1 1
ENTRY 6	NODE-1	NODE-3	1150	1631	#	4	13	SONET	2.5	75						
ENTRY 5	NODE-1	NODE-3	0010	1C30	#	3	177	SONET	2.5	PI	#2	3	1,2	SONET	2.5	P2
ENTRY 4	NODE-2	NODE-3	0G21	1631	#	_	1,3	SONET	2.5	P.S						
ENTRY 3	NODE-1	7-300N	0611	IC21	L#	1	13	SONET	2.5	P5						
ENTRY 2	NODE-2	NODE-3	0C20	IC30	#1	1	12	SONET	2.5	Ĺd	Z #	l	1,2	SONET	2.5	12
ENTRY 1	NODE-1	NODE-2	0010	IC20	L#		11	SONET	2.5	ld	#2	l	1,2	SONET	2.5	P2
FIELD	OUTGOING NODE ADDRESS	INCOMING NODE ADDRESS	OUTCOING IF NUMBER	INCOMING IF NUMBER	CHANNEL NUMBER	CHANNEL COST	WAVELENGTH	DATA FORMAT	MAXIMUM DATA RATE	PATH NUMBER	CHANNEL NUMBER	CHANNEL COST	WAVELENGTH	DATA FORMAT	MAXIMUM DATA RATE	PATH NUMBER
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FIG. 9 LINK STATE DATABASE

There exists a series where there there is a series of the series of the

